INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1

of 4

Co	mplete if Known	
Application Number	10/517,275	
Filing Date	June 10, 2003	
First Named Inventor	Wei-Ping Min et al.	
Art Unit		_
Examiner Name		
Attorney Docket Number	4767-217 AB	

	•	•	U.S. PATENT DOCUMEN	TS	
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/K.C	./	US-5,199,942	April 6, 1993	Gillis	·
		US-5,851,756	December 22, 1998	Steinman et al.	
		US-6,017,527	January 25, 2000	Maraskovsky et al.	
		US-6,251,665	June 26, 2001	Cezayirli et al.	
		US-6,458,585	October 1, 2002	Vachula et al.	
		US-6,475,483	November 5, 2002	Steinman et al.	
		US-6,497,876	December 24, 2002	Marashovsky et al.	
A		US-6,479,286	November 12, 2002	Nelson et al.	·.
		US-			
		US-			

			FOREIGN PATENT DOC	UMENTS	
Initals	Cited No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/K.	.C./	WO 99/32619	July 1, 1999	The Carnegie Institute of Washington	
		WO 01/75164	October 11, 2001	Whitehead Institute for Biomedical Research et al.	
\downarrow		WO 02/44321	June 6, 2002	Maxplanck-Gesellschaft zur Förderung der Wissenschaffter E.V.	
					ļ-
		<u> </u>			
				·	

Examiner	//Circle and a Observed	Date	05/09/2007
Signature	/Kimberly Chong/	Considered/	03/09/2007

				Complete if Known		
INFO	ORMATI	ON D	ISCLOSURE	Application Number Filing Date	10/517,275 June 10, 2003	
STA	TEMEN	T BY	APPLICANT	First Named Inventor	Wei-Ping Min et al	
				Art Unit		
		•		Examiner Name		
Sheet	2	of	4	Attorney Docket Number	4767-217 LAB	

.

Examiner	Cite	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	T2
nitals	No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	'*
illais	INO.	(book, mayazine, journal, senai, symposium, catalog, etc.), date, page(s), volume-issue number(s),	
/K.C./	 	publisher, city and/or country where published	ļ
/N.U./	1	AKBARI, O. et al., "Pulmonary dendritic cells producing IL-10 mediate tolerance induced by respiratory	
	 	exposure to antigen", Nat Immunol (2001) vol. 2 pp. 725-731.	
1		BANCHEREAU, J. and R. Steinman, "Dendritic cells and the control of immunity", Nature (1998), vol. 392	
	<u> </u>	pp. 245-468.	1
1		BELZ, G. et al., "The role of dendritic cell subsets in selection between tolerance and immunity", Immunol	
		Cell Biol, (2002), Vol 80, pp. 463-468.	
		BRUMMELKAMP, T. et al., "A System for Stable Expression of Short Interfering RNAs in Mammalian	
	1	Cells", Science, (2002), Vol 296, Issue 5567, pp. 550-553	
	1	BUSSIERE J. et al., Chapter 3: "Preclinical Safety Assessment Consideration in Vaccine Development".	
		Pharmaceutical Biotechnology - Vol. 6: Vaccine Design - The Subunit and Adjuvant Approach, Edited by	1
1		M. Powell and M. Newman, Published by Plenum Press, NY. (1995), pg. 61-79	1
- 1	 	CELLA, M. et al., "Maturation, activation, and protection of dendritic cells induced by double-stranded	╁─
		RNA*, <i>J Exp Med.</i> , (1999), vol. 189, pp.821-829	
	1	CHANG, C. et al., "Tolerization of dendritic cells by T _s cells: the crucial role of inhibitory receptors ILT3	
		local II TA's Not Impured Mer 2/2) (2002) 227 242	
	 	and ILT4*, Nat Immunol. Mar;3(3), (2002), pp 237-243.	
		CHICAS, A. and G. Macino., "Characteristics of post-transcriptional gene silencing", EMBO Rep (2001),	l
	├ ─	Vol. 2, pp.992-996.	<u> </u>
	1	COGONI, C. and G. Macino., "Post-transcriptional gene silencing across kingdoms". Curr Opin Genet	
	<u> </u>	Dev, (2000), Vol.10, pp. 638-643.	<u> </u>
		CURIEL, T. et al., 'Blockade of B7-H1 improves myeloid dendritic cell-mediated antitumor immunity',	
		Nat Med (2003), May;9(5), pp.562-567.	
l l		DEMANGEL, C. et al., "Autocrine IL-10 impairs dendritic cell (DC)-derived immune responses to	
1		mycobacterial infection by suppressing DC trafficking to draining lymph nodes and local IL-12	
1	1	production*, Eur J Immunol (2002), Vol. 32, pp. 994-1002.	i
		DEMIR, G. et al., "Use of RNA interference (RNAi) to disrupt C-Kit gene expression in malignant human	
ŀ	ł	hematoopoietic and neuroepithelial cells', Blood. (2000)Vol. 96 (No. 11) Part 2, pp. 378b.	
	 	DREWE, E. and R. Powell., "Clinically useful monoclonal antibodies in treatment", J Clin Pathol, (2002),	_
		Vol. 55, pp. 81-85.	l
		ELBASHIR, S. et al., *Analysis of gene function in somatic mammalian cells using small interfering	
	ĺ	RNAs', Methods, (2002), vol. 26, pp.199-213.	
	 	ELBASHIR, S. et al., 'Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian	├
	 	Cells', Nature (2001), Vol. 411, pp.494-498.	
		FJOSE, A. et al., "RNA interference: mechanisms and application", Biotechnol. Annu. Rev. (2002) Vol.	
		7, pp. 31-57	
1		FIRE, A. et al. *Potent and specific genetic interference by double-stranded RNA in Caenorhabditis	
		elegans*. Nature, (1998), Vol. 391, pp. 806-811.	
1		GAO, J. et al., *CD40-deficient dendritic cells producing interleukin-10, but not interleukin-12, induce T-	
[cell hyporesponsiveness in vitro and prevent acute allograft rejection", Immunology, (1999), Vol. 98,	
	<u> </u>	pp.159-170.	
1		GEWIRTZ, A., "Oligonucleotide therapeutics: clothing the emperor". Curr Opin Mol Ther, (1999), Vol. 1,	
		pp. 297-306.	<u> </u>
		GILLIET M. et al., *Generation of human CD8 T regulatory cells by CD40 ligand-activated plasmacytoid	
	1	dendritic cells*, J. Exp. Med. Mar 18;195(6), (2002), pp.695-704.	
	[GORCZYNSKI, R. et al. 'Regulation of gene expression of murine MD-1 regulates subsequent T cell	<u> </u>
ľ	i	activation and cytokine production", J Immunol (2000), Vol. 165, pp. :1925-1932.	
	1	HANNON, G. J., "RNA interference", Nature, (2002), Vol 418, pp. 244-251.	<u> </u>
\/	 	JONULEIT, H. et al., "Dendritic cells as a tool to induce anergic and regulatory T cells. Trends", Immunol,	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 3 of 4 Attorney Docket Number 4767-217 LAB

	KAWAHATA, K. et al., *Peripheral Tolerance to a Nuclear Autoantigen: Dendritic Cells Expressing a	
/K.C./	Nuclear Autoantigen Lead to Persistent Anergic State of CD4* Autoreactive T Cells After Proliferation*, J	
7,4.0.7		
	Immunol Feb 1;168(3), (2002), pp. 1103-12.	
1 1	KELLEHER, P. and S. Knight. 'IL-12 increases CD80 expression and the stimulatory capacity of bone	
	marrow-derived dendritic cells*. Int Immunol, (1998), Vol.10, pp.749-755	
	KHANNA, A. et al, *Effects of liver-derived dendritic cell progenitors on Th1- and Th2-like cytokine	
	responses in vitro and in vivo", <i>J Immunol</i> , .(2000), Vol. 164, pp. 1346-1354.	
	KOHKA, H. et al., , "Involvement of interleukin-18 (IL-18) in mixed lymphocyte reactions (MLR)", J	
	Interferon Cytokine Res., (1999), Vol 19, pp. 1053-1057.	
	LAMBERTON, J. and A. Christian, "Varying the Nucleic Acid Composition of siRNA Molecules	
l l	Dramatically Varies the Duration and Degree of Gene Silencing", Mol. Biotechnol. (2003), Jun 24(2), pp.	
	111-120.	
	LEVY, D. and A. Garcia-Sastre, "The virus battles: IFN induction of the antiviral state and mechanisms of	_
1 1	viral evasion*, Cytokine Growth Factor Rev., (2001), Vol.12, pp. 143-156.	
	LIMMER, A. and P. Knolle, 'Liver Sinusoidal Endothelial Cells: a new Type of Organ-Resident Antigen-	
1	Presenting Cell', Arch Immunol Ther Exp (Warsz) Suppl., (2001), Vol. 1, pp. S7-11.	
<u> </u>	LIU, L. et al. 1998. Induction of Th2 cell differentiation in the primary immune response: dendritic cells	
	isolated from adherent cell culture treated with IL-10 prime naive CD4+ T cells to secrete IL-4. Int	
1	Immunol 10:1017	
	LU, L. and A. Thomson, "Manipulation of dendritic cells for tolerance induction in transplantation and	
	autoimmune disease*, <i>Transplantation</i> , (2002), Vol. 73, Pp.S19-22	
j	LUNDQVIST, A. et al., 'Nonviral and viral gene transfer into different subsets of human dendritic cells	
	yield comparable efficiency of transfection*, J Immunother, (2002), Vol. 25, pp.445-454.	
	MAHNKE, K. et al., *Immature, but not inactive: the tolerogenic function of immature dendritic cells*,	
	Immunol Cell Biol, (2002), Vol. 80, pp. 477-483.	
i. I	MALDONADO-LOPEZ, R. and M. Moser, 'Dendritic cell subsets and the regulation of Th1/Th2	
	responses". Semin Immunol, (2001), Vol. 13, pp.275-282.	
	MARTINEZ, J. et al., "Single-Stranded Antisense siRNAs Guide Target RNA Cleavage in RNAi", Cell,	
	(2002), Vol. 110, pp. 563-574.	
	McGUIRK, P. et al., 'Pathogen-specific T regulatory 1 cells induced in the respiratory tract by a bacterial	
	molecule that stimulates interleukin 10 production by dendritic cells: a novel strategy for evasion of	
· 1	protective T helper type 1 responses by Bordetella pertussis* J Exp Med., (2002), Vol. 195, pp.221-231	
	McMANUS, M. et al., "Small Interfering RNA-Mediated Gene Silencing in T Lymphocytes", J Immunol,	
1 1	(2002), Vol. 169, pp. 5754-5760.	
	MIN, W. et al., *Inhibitory feedback loop between tolerogenic dendritic cells and regulatory T cells in	
	transplant tolerance", J Immunol In Press, (2002), pp. 1304-1312.	
	MIN, W. et al., *Dendritic cells genetically engineered to express Fas ligand induce donor-specific	
1 . 1	hyporesponsiveness and prolong allograft survival*, <i>J Immunol</i> , (2000), Vol. 164, pp. 161-167.	
	MOREL, P. and M. Feili-Hariri, "How do dendritic cells prevent autoimmunity?" Trends Immunol, (2001),	
	Vol. 22, pp.546-547.	
	MORITA, Y. et al., *Dendritic cells genetically engineered to express IL-4 inhibit murine collagen-induced	
	arthritis*, J Clin Invest, (2001), Vol. 107, pp.1275-1284.	
1	MORRIS, M. et al., "A new peptide vector for efficient delivery of oligonucleotides into mammalian cells",	
	Nucleic Acid Res., (1997), Jul 15:25(14), pp. 2730-2736	
	MOSS, E., 'RNA Interference: it's a small RNA world'. Curr Biol, (2001), Vol 11, pp. R772-R775.	
	O'GARRA, A. et al., "The role of macrophage- and dendritic cell-derived IL12 in Th1 phenotype	
	development*, Res Immunol, (1995), Vol. 146, pp.466-472.	
	PARDOLL, D. M., "Cancer vaccines", Nat Med, (1998), Vol. 4, pp. 525-531.	
	PEREZ, V. et al., "Endothelial Antigen Presentation: Stimulation of Previously Activated but Not Naïve	
-\ /- -	TCR-Transgenic Mouse T Cells*, Cell Immunol. (1998), Oct 10;189(1), pp.31-40.	-
V	PICCOTTI, J. et al., "Alloantigen-reactive Th1 development in IL-12-deficient mice", J Immunol, (1998),	
	Vol. 160, pp.1132-1138.	

/K.C./	PIEMONTI, L. et al., "Vitamin D ₃ Affects Differentiation, Maturation, and Function of Human Monocyte- Derived Dendritic Cells", <i>J. Immunol.</i> (2000), May 1;164(9), pp.4443-4451	
1	PRUD'HOMME, G. J., "Gene therapy of autoimmune diseases with vectors encoding regulatory cytokines or inflammatory cytokine inhibitors", <i>J Gene Med</i> , (2000), Vol. 2, pp 222-232.	
	RONCARLO, M. et al., *Differentiation of T Regulatory Cells by Immature Dendritic Cells*, J. Exp. Med. (2001), Jan 15; 193(2), pp.F5-F9.	
	SELVAM M.P. et al., 'Inhibition of HIV replication by immunoliposomal antisense oligonculeotide', Antiviral Res. (1996), Dec 33(1), pp:11-20	
	SIMEONI F. et al., "Insight into the mechanism of the peptide-based gene delivery system MPG: implications for delivery of siRNA into mammalian cells", <i>Nucleic Acids Res Jun</i> 1;31(11)(2003), pp.2717-2724.	
	TADMORI, W. et al., *Suppression of the allogeneic response by human IL-10: a critical role for suppression of a synergy between IL-2 and TNF-alpha*, <i>Cytokine</i> (1994), Vol. 6, pp.462-471.	
	TOURKOVA, I. et al., "Mechanisms of dendritic cell-induced T cell proliferation in the primary MLR assay", <i>Immunol Lett.</i> , (2001), Vol. 78, pp. 75-82.	
	TRINCHIERI, G., *Interleukin-12: a cytokine at the interface of inflammation and immunity*, Adv Immunol, (1998), Vol. 70, pp.83-243	
	TUSCHL, T., "Expanding small RNA interference". Nat Biotechnol, (2002), Vol.20, pp.446-448.	
	TUSCHL, T. et al., "Selection in vitro of novel ribozymes from a partially randomized U2 and U6 snRNA library", EMBO J., (1998), Vol. 17, pp.2637-2650.	
	TUSCHL, T. et al., "Targeted mRNA degradation by double-stranded RNA in vitro". Genes Dev. (1999), Vol. 13, pp. 3191-3197	
	VAN DE WETERING, M. et al., "Specific inhibition of gene expression using a stably integrated, inducible small-interfering-RNA vector", EMBO reports 4(6) (2003), pp.609-615	
	VERHASSELT, V. et al., "N-Acetyl-L-Cysteine Inhibits Primary Human T Cell Responses at the Dendritic Cell Level: Association with NF-kB Inhibition", J. Immunol. Mar 1;162(5) (1999), pp. 2569-2574.	
	VOGEL F. and M. Powell, "Chapter 7: A Compendium of Vaccine Adjuvants and Excipients. Pharmaceutical Biotechnology *- Vol. 6: Vaccine Design – The Subunit and Adjuvant Approach, Edited by M. Powell and M. Newman, Published by Plenum Press, NY., (1995), pg. 141-228	
	WANG, X. et al., "Interleukin-10 modulation of alloreactivity and graft-versus-host reactions". Transplantation, (2002), Vol 74, pp. 772.	
	YOSHIMURA, S. et al., "Role of NFkB in antigen presentation and development of regulatory T cells elucidated by treatment of dendritic cells with the proteasome inhibitor PSI", Eur J. Immunol, (2001), Jun;31(6), pp. 1883-93.	
	ZHU, X et al., "Effects of 15-deoxyspergualin in vitro and in vivo on cytokine gene expression", Transplantation (1994), Vol. 58, pp.1104-1109.	
	NAIR et al., US 2002/0018769, published February 14, 2002	
	GEWIRTZ, US 2002/0173478, published November 21, 2002	
\/	BEACH et al., US 2002/0162126, Published October 31, 2002	
V	Lin, US 2003/0104401, published June 5, 2003	
		<u> </u>
		-
		1